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PTO/SB/18 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No.	539.009	
		First Named Inventor	DANIEL S. MCGUIRE ET AL.	
		Title	INVESTMENT CASTING SLURRY COMPOSITION AND METHOD OF USE	
		Express Mail Label No.	EV313040718US	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: MAIL STOP - PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		
1. (X) Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		8. () Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)		
2. (X) Applicant claims small entity status See 37 CFR 1.27		a. () Computer Readable Form (CRF)		
3. (X) Specification [Total Pages -37] (preferred arrangement set forth below, MPEP 1503.01)		b. () Specification Sequence Listing on:		
- Descriptive title of the invention		i. () CD-ROM or CD-R (2 copies); or		
- Cross Reference to Related Applications		ii. () paper		
- Statement Regarding Fed sponsored R & D		c. () Statement verifying identity of above copies		
- Reference to sequence listing, a table, or computer program listing appendix				
- Background of the Invention				
- Brief Summary of the Invention				
- Brief Description of the Drawings (if filed)				
- Detailed Description				
- Claims				
- Abstract of the Disclosure				
4. (X) Drawing(s) (35 U.S.C. 113) [Total Sheets 4]				
5. (X) Oath or Declaration [Total Pages 1]				
a. (X) Newly executed (original or copy)				
b. () Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 16 completed)				
i. () DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b).				
6. () Application Data Sheet. See 37 CFR 1.76				
7. () CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)				
		ACCOMPANYING APPLICATION PARTS		
		9. () Assignment Papers		
		10. () 37 CFR 3.73(b) Statement (X) Power of Attorney (when there is an assignee)		
		11. () English Translation Document (if applicable)		
		12. () Information Disclosure Statement (IDS)/PTO-1449 () Copies of IDS Citations		
		13. () Preliminary Amendment		
		14. (X) Return Receipt Postcard (MPEP 503) (Should be specifically itemized)		
		15. () Certified Copy of Priority Document(s) (if foreign priority is claimed)		
		16. () Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) - Applicant must attached form PTO/SB/35 or its equivalent		
		17. () Other: _____		
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: () Continuation () Divisional () Continuation-in-part (CIP) of prior application No: _____ Prior application information: Examiner Group / Art Unit:				
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.				
17. CORRESPONDENCE ADDRESS				
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		(Insert Customer No. or Attach bar code label here) 23598		<input type="checkbox"/> Correspondence address below
Name	Jay G. Durst			
Address	250 E. Wisconsin Avenue Suite 1030			
City	Milwaukee	State	WI	Zip Code 53202
Country		Telephone	(414) 225-6300	Fax (414) 225-9753
Name (Print/Type) Jay G. Durst		Registration No. (Attorney/Agent) 41,723		
Signature		Date October 30, 2003		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Complete if Known

Application Number

Filing Date

First Named Inventor

Daniel S. McGuire et al.

Examiner Name

Group Art Unit

Attorney Docket No.

539.009

TOTAL AMOUNT OF PAYMENT \$ 1043.00

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit
Account
Number

50-1170

Deposit
Account
Name

Boyle, Fredrickson, Newholm, Stein & Gratz S.C.

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	770	201	385	Utility filing fee	385
106	340	206	170	Design filing fee	
107	530	207	265	Plant filing fee	
108	770	208	385	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$385.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	86	202	43	Independent claims in excess of 3	
104	290	204	145	Multiple dependent claim, if not paid	
109	86	209	43	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$658.00)

** or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

Large Entity

Small Entity

Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$

SUBMITTED BY

Name (Print/Type)

Jay G. Durst

Registration No.
(Attorney/Agent)

41,723

Telephone

(414) 225-6300

Signature

Date

October 30, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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INTELLECTUAL PROPERTY LAW

JAY G. DURST
DIRECT DIAL: 414-225-6300
JGD@BOYLEFRED.COM

October 30, 2003

EXPRESS MAIL

Mail Stop - Box Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Utility Patent Application Transmittal
Inventors: Daniel S. McGuire et al.
Title: *Investment Casting Slurry Composition And Method Of Use*
Our Ref.: 539.009

Dear Sir:

Enclosed is our check in the amount of \$1043.00 in payment of the government filing fee for the enclosed United States utility patent application, which application includes 37 pages of specification, 74 claims and an Abstract. 4 Drawing figures on 4 sheets are also included. Also enclosed is a combined Declaration and Power of Attorney document. Applicant claims small entity status.

An Information Disclosure Statement will be filed at a later date.

The Director is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,

Jay G. Durst

Registration No. 41,723

23598

Mail Stop - Patent Application
Commissioner for Patents
Page 2

Certification Under 37 CFR 1.10

Express Mail Label No:EV313040718 US

Date of Deposit: **October 30, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the MAIL STOP - BOX PROVISIONAL PATENT APPLICATION, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

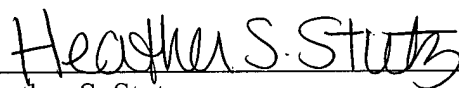
Heather S. Stutz

Certification Under 37 CFR 1.10

Express Mail Label No: **EV313040718US**

Date of Deposit: **October 30, 2003**

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Heather S. Stutz